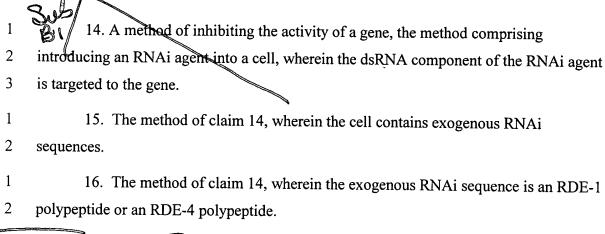
2

1	1. An isolated nucleic acid molecule comprising a nucleotide sequence encoding
2	an RDE-1 polypeptide, wherein the nucleic acid molecule hybridizes under high
3	stringency conditions to the nucleidacid sequence of Genbank Accession No. AF180730
4	(SEQ ID NO:2) or its complement, or nucleic acid sequence set forth in SEQ ID NO:1 o
5	its complement.
1	2. The isolated nucleic acid of claim 1, wherein the nucleic acid can complemen
2	an rde-1 mutation.
1	3. An isolated nucleic acid of claim 1, wherein the nucleotide sequence encodes
2	the amino acid sequence of SEQ ID NO:3.
1	4. A substantially pure RDE-1 polypeptide encoded by the isolated nucleic acid
2	of claim 1.
1	5. An antibody that specifically binds to an RDE-1 polypeptide.
1	6. A method of enhancing the expression of a transgene in a cell, the method
2	comprising decreasing activity of the RNAi pathway.
1	7. The method of claim 6, wherein rde-2 expression or activity is decreased.
1	8. An isolated nucleic acid molecule comprising a nucleotide sequence encoding
2	an RDE-4 polypeptide, wherein the nucleic acid molecule hybridizes under high
3	stringency conditions to the nucleic acid sequence of SEQ ID NO:4 or its complement.
1	9. The isolated nucleic acid of claim 8, wherein the nucleic acid can complement
2	an rde-4 mutation.
1	10. An isolated nucleic acid of claim 8, wherein the nucleotide sequence encodes
2	the amino acid sequence of SEQ ID NO:5.
1	11. A substantially pure RDE-4 polypeptide encoded by the isolated nucleic acid
2	of claim 8.
1	12. An antibody that specifically binds to an RDE-4 polypeptide.
1	13. A method of preparing an RNAi agent, the method comprising incubating a

dsRNA in the presence of an RDE-1 protein and an RDE-4 protein.



add b